

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
29 September 2005 (29.09.2005)

PCT

(10) International Publication Number  
WO 2005/090995 A2

(51) International Patent Classification<sup>7</sup>: G01N 33/68,  
33/58, C07K 7/00, 14/00, A61K 38/00, A61P 15/00

(74) Agents: MEYERS, Hans-Wilhelm et al.; Postfach 10 22  
41, 50462 Köln (DE).

(21) International Application Number:  
PCT/EP2005/050742

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,  
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,  
ZM, ZW.

(22) International Filing Date: 21 February 2005 (21.02.2005)

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,  
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/545,906 20 February 2004 (20.02.2004) US

(71) Applicant (for all designated States except US): APLA-  
GEN GMBH [DE/DE]; Arnold-Sommerfeld-Ring 2,  
52499 Baesweiler (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): FRANK,  
Hans-Georg [DE/NL]; Josephina Straat 16, NL-6462  
EL Kerkrade (NL). RYBKA, Andreas [DE/DE]; Heidestr.  
1a, 45701 Herten (DE). BORGES, Andrea [DE/US];  
36 Burnet Street, Maplewood, New Jersey 07040 (US).  
GREINDL, Alexandra [DE/DE]; D'horner Str. 41, 52379  
Langerwehe-Merode (DE).

Published:

— without international search report and to be republished  
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

WO 2005/090995 A2

(54) Title: NEW PEPTIDES

(57) Abstract: A method of assessing the titre of fertility-relevant autoantibodies of a mammalian female, wherein said method comprises: the presentation of a defined single molecule capable of binding to the idiotype of the fertility-relevant autoantibody, and determining the amount of autoantibody being bound by said molecule from a sample of a body fluid of said mammalian female.